



Australian Government

Assessment Requirements for MSTGN4009 Design production tooling

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to LMTGN4014A Design production tooling

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria, and include:

- reading and following work instructions, standard operating procedures (SOPs), safe work practices
- applying relevant standards
- defining requirements and developing accurate specifications
- using manual or computer-aided design (CAD) systems as required by context
- assessing technical requirements and providing tooling brief on at least two (2) occasions
- liaising and communicating effectively with relevant personnel
- applying workplace procedures
- maintaining accurate records.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- relevant Australian Standards
- interpretation of specifications and the requirements of tooling design
- features of required manual or CAD design system
- roles of relevant personnel or work areas including prototype or sample maker, engineering, management and external supplier
- product construction and materials used in product production
- quality requirements
- materials used in product production
- workplace procedures and reporting processes
- work health and safety (WHS) practices, including hazard identification and control measures
- recording and reporting practices.

Assessment Conditions

- Assessors must:
 - satisfy the assessor competency requirements that are in place at the time of the assessment, as set by the VET regulator

- have vocational competency in designing production tooling, at least to the level being assessed, with relevant industry knowledge and experience.
- Assessment should occur in operational workplace situations. Where this is not possible, or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment reflecting realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications associated with this unit.
- The unit is applicable to all TCF sectors and assessment must ensure it is delivered to suit the industry it is being applied to.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>